

USAMMDA INFORMATION PAPER**PRODUCT: CRITICAL CARE SYSTEM FOR TRAUMA AND TRANSPORT**

DESCRIPTION: The requirement for a Critical Care System for Trauma and Transport (CSTAT) describes a single-patient, intensive care capability that will be used to maintain life support and stabilization of battlefield casualties during evacuation. The CSTAT requires incorporation of a defibrillator, ventilator, vital signs monitor, infusion pumps for fluid resuscitation and administration of medications, suction unit, and self-contained oxygen supply in a unit that attaches to a standard North Atlantic Treaty Organization litter.

PROGRAM RELEVANCE to the ARMY: This product supports both the core mission of the Army and the Army Transformation. Of the Army's core competencies, this product supports "Prompt Response" and "Support Civil Authorities." The CSTAT will be used to provide intensive medical care to critically wounded soldiers' during transport, and in Level III medical treatment facilities. It will enhance the ability to treat large numbers of critically injured or ill soldiers in the field, and it will permit faster patient evacuation. The CSTAT may also be used to augment limited medical resources during civilian disaster response and mass casualty situations. The CSTAT will also support the Army Transformation, which will be characterized, in part, by greater reliance on aero medical evacuation and consolidation of treatment and evacuation platforms. This product supports the following Army Future Operational Capabilities: MD-02-001 Clearing the battlefield and MD-02-002 Hospitalization.

ISSUES/ACTIONS:

- The most recent CSTAT Analysis of Alternatives identified the Life Support for Trauma and Transport (LSTAT) as the lead CSTAT candidate. The LSTAT, which was cleared for marketing by the Food and Drug Administration, satisfies the majority of the CSTAT requirements. The contractor is currently modifying the LSTAT to fully satisfy those requirements.
- All LSTAT systems are currently deployed in support of wartime and civilian health support operations.

ADDITIONAL INFORMATION:**BPL # 358****SCHEDULE:**

DA PROJECT/TASK: Trauma Management –
PE/PROJ 654807/832JF; 633002/840JF; 643807/836JF

MS 0 3QFY97

MS B 3QFY01

MAMP RANK: Not Ranked

MS C 1QFY06

ARMY ORD: Approved, 12 November 1999

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